**DDL and Insert Statements for the Student-Registration Database**

Create Table Student

(StudentID Numeric not null,

StudentName varchar(25),

constraint Student\_PK Primary Key(StudentID));

CREATE TABLE Faculty

(FacultyID NUMERIC NOT NULL,

FacultyName VARCHAR(25),

CONSTRAINT Faculty\_PK PRIMARY KEY (FacultyID));

CREATE TABLE Course

(CourseID CHAR(8) NOT NULL,

CourseName VARCHAR(15),

CONSTRAINT Course\_PK PRIMARY KEY (CourseID));

Create table Section

(SectionNo numeric(18,0) not null,

Semester char(7) not null,

CourseID char(8)not null,

constraint Section2\_PK

primary key (SectionNo,Semester,CourseID),

constraint Section\_FK

foreign key (CourseID)

references Course(CourseID));

CREATE TABLE Qualified

(FacultyID NUMeric NOT NULL ,

CourseID CHAR(8) NOT NULL,

DateQualified DATE,

CONSTRAINT IsQualified\_PK PRIMARY KEY (FacultyID,CourseID),

CONSTRAINT QualifiedFaculty\_FK FOREIGN KEY (FacultyID) REFERENCES Faculty (FacultyID),

CONSTRAINT QualifiedCourse\_FK FOREIGN KEY (CourseID) REFERENCES Course (CourseID));

create table registration

(StudentID numeric not null,

SectionNo numeric(18,0) not null,

Semester char(7) not null,

CourseID char(8) not null,

constraint Registration\_PK primary key (StudentID,SectionNo,Semester),

constraint Registration\_FK foreign key (SectionNo, Semester,CourseID) references

Section(SectionNo,Semester,CourseID));

insert into Student

(StudentID,StudentName)

Values

(38214,'Letersky'),

(54907,'Altvater'),

(66324,'Aiken'),

(70542,'Maara');

Insert into faculty

(FacultyID,FacultyName)

VALUES

(2143,'Birkin'),

(3467,'Berndt'),

(4756,'Collins');

insert into course

(CourseID,CourseName)

values

('ISM 3113','Syst Analysis'),

('ISM 3112','Syst Design'),

('ISM 4212','Database'),

('ISM 4930','Networking');

insert into qualified

(FacultyID,CourseID,DateQualified)

VAlUES

(2143,'ISM 3112','1988-09-01'),

(2143,'ISM 3113','1988-09-01'),

(3467,'ISM 4212','1995-09-01'),

(3467,'ISM 4930','1996-09-01'),

(4756,'ISM 3113','1991-09-01'),

(4756,'ISM 3112','1991-09-01');

insert into section

(SectionNo,Semester,CourseID)

VALUES

(2712,'I-2008','ISM 3113'),

(2713,'I-2008','ISM 3113'),

(2714,'I-2008','ISM 4212'),

(2715,'I-2008','ISM 4930');

insert into registration

(StudentID,SectionNo,Semester,CourseID)

VALUES

(38214,'2714','I-2008','ISM 4212'),

(54907,'2714','I-2008','ISM 4212'),

(54907,'2715','I-2008','ISM 4930'),

(66324,'2713','I-2008','ISM 3113');